

נתונים טכניים לברגי פלדה

Property Class Designation	Nominal Product Dia,mm	Material and Treatment	Mechanical Requirement								Property Class Identification Marking	
			Proof load Stress MPa Length Measurement	Yield Strength MPa	Tensile Strength MPa	Product Hardness						
						Surface Max Rockwell 30N	Rockwell		Vickers			
							Min	Max	Min	Max		
4.6	M5-M100	Low or medium carbon steel	225	240	400	-	B67	B95	120	220	4.6	
4.8	M1.6-M16	Low or medium carbon steel; partially or fully annealed as required	310	340	420	-	B71	B95	130	220	4.8	
5.8	M5-M24	Low or medium carbon steel; cold worked	380	420	520	-	B82	B95	160	220	5.8	
8.8	M16-M72	Medium carbon steel; product quenched and tempered	600	660	830	53	C23	C34	255	336	808 or 8S	
8.8	M16-M36	Low carbon martensite; product quenched and tempered	600	660	830	53	C23	C34	255	336	8.8	
8.8.3	M16-M36	Atmospheric corrosion resistant steel; product quenched and tempered	600	660	830	53	C23	C34	255	336	8S3	
9.8	M1.6-M16	Medium carbon steel; product quenched and tempered	650	720	900	56	C27	C36	280	360	9.8	
9.8	M1.6-M16	Low carbon martensite steel; product is quenched and tempered	650	720	900	56	C27	C36	280	360	9.8	
10.9	M5-M20	Medium carbon steel; product quenched and tempered	830	940	1040	59	C33	C39	327	382	10.9 10.9 OR	
10.9	M5-M100	Medium carbon alloy steel; product quenched and tempered	830	940	1040	59	C33	C39	327	382	10S	
10.9	M5-M36	Low carbon martensite steel; product quenched and tempered	830	940	1040	59	C33	C39	327	382	10.9	
10.9.3	M16-M36	Atmospheric corrosion resistant steel; product quenched and tempered	830	940	1040	59	C33	C39	327	382	10S3	
12.9	M1.6-M100	Alloy steel; product quenched and tempered	970	1100	1220	63	C38	C44	372	434	12.9	
		See notes 1 and 4									Notes 1,2 and 3	

Notes:

- Product made from low carbon matensite shall be additionally marked by underlining the property class symbol.
- Bolts made of atmospheric corrosion resistance steel to PC 8.8.3 and 10.9.3 in accordance with ASTM A325 shall be marked 8S and 10S, respectively. All other bolts and screws made of this material shall be marked 8.8.3 or 10.9.3 respectively.
- All studs M12 and larger shall be marked the same as for bolts and screws. Studs from M5 to M10 inclusive shall be marked + for Property Class 9.8 □ for Property Class 10.9 and △ for Property Class 12.9.
- All product shall have a minimum tempering temperature of 425°C except low carbon martensite of P.C 10.9, which shall have a minimum tempering temperature of 340°C and Property Class 12.9 of 380°C.

הנתונים המובאים הינם לידיעה בלבד ואין להשתמש בנתונים לתכנון.
סקופ איננה אחראית לסטיות ואי דיוקים בנתונים.